

FIG. 1A

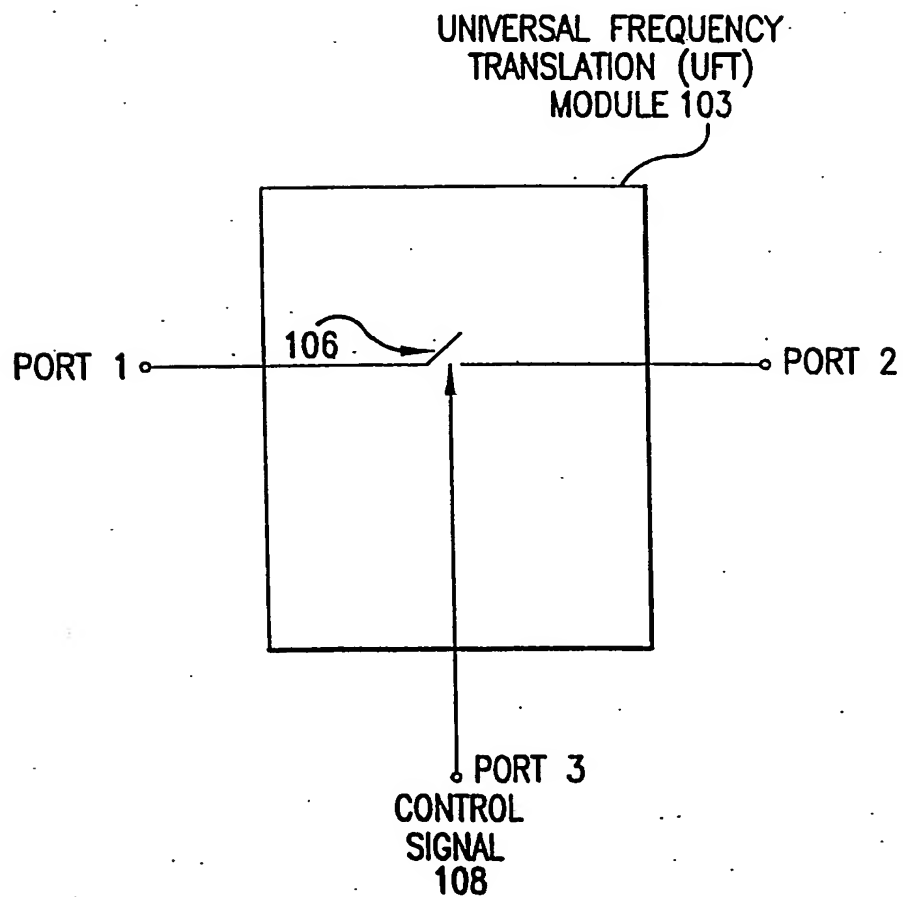


FIG. 1B

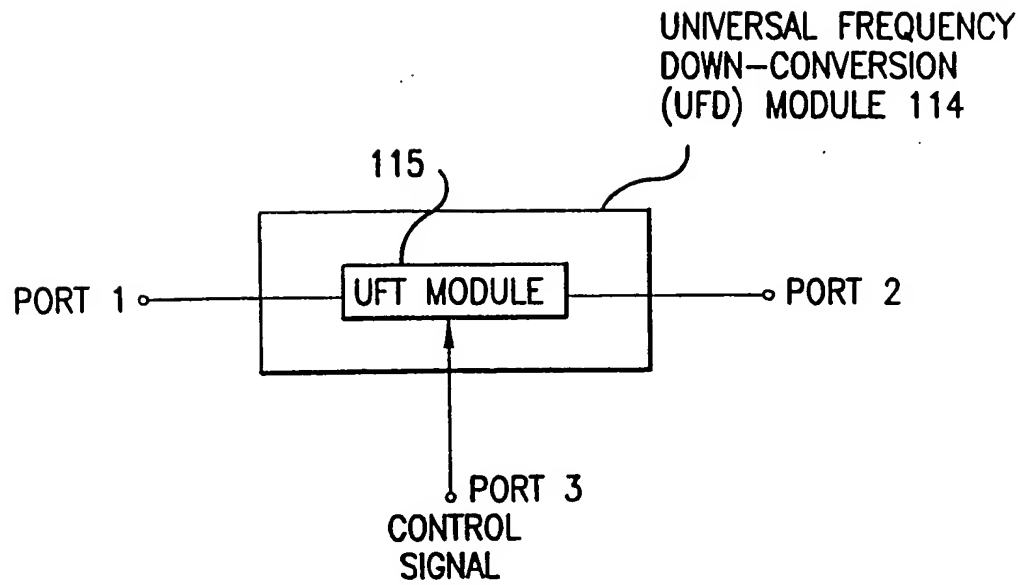


FIG. 1C

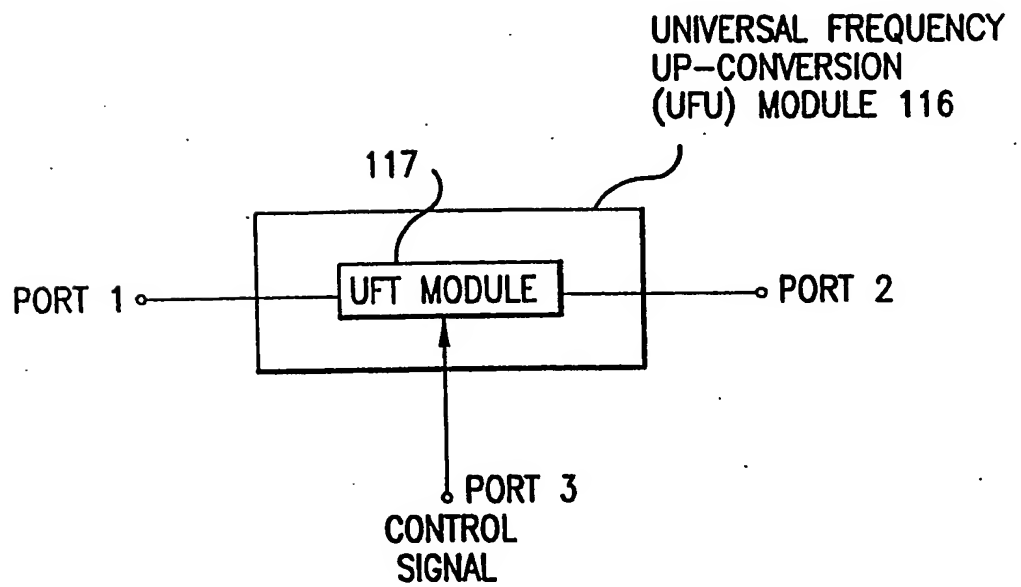


FIG. 1D

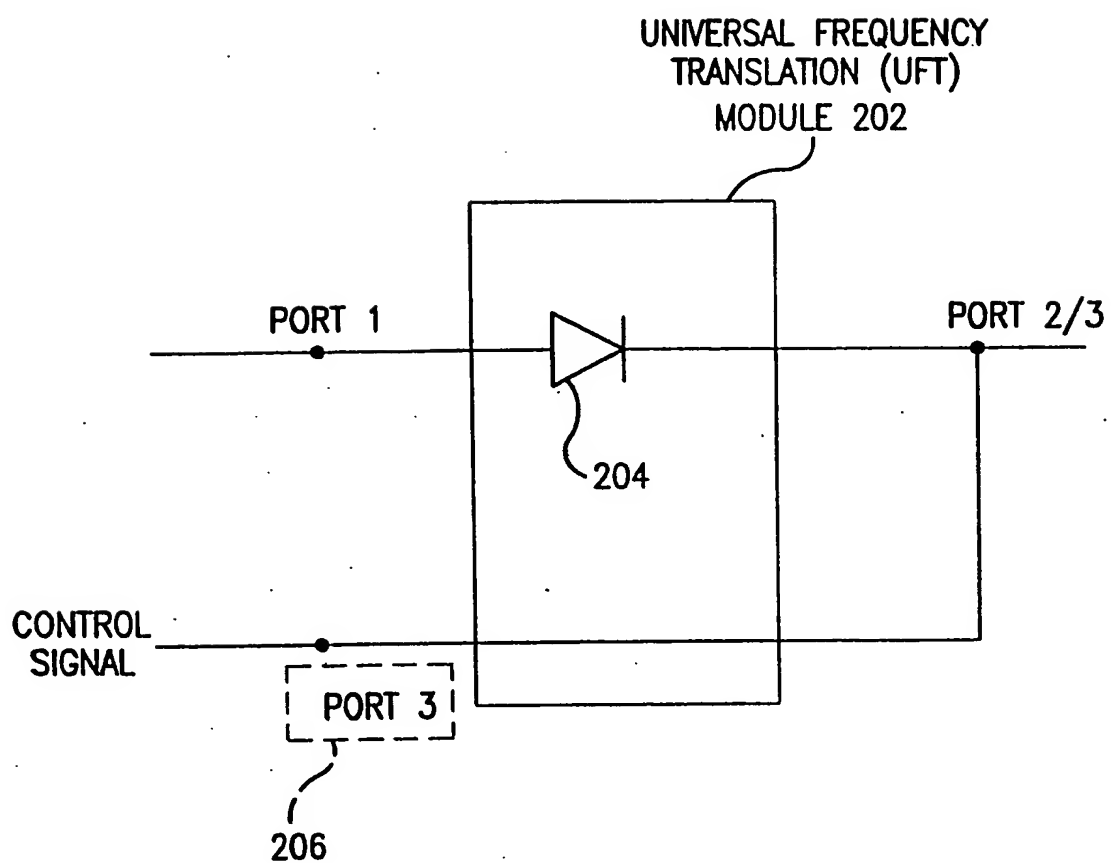


FIG. 2

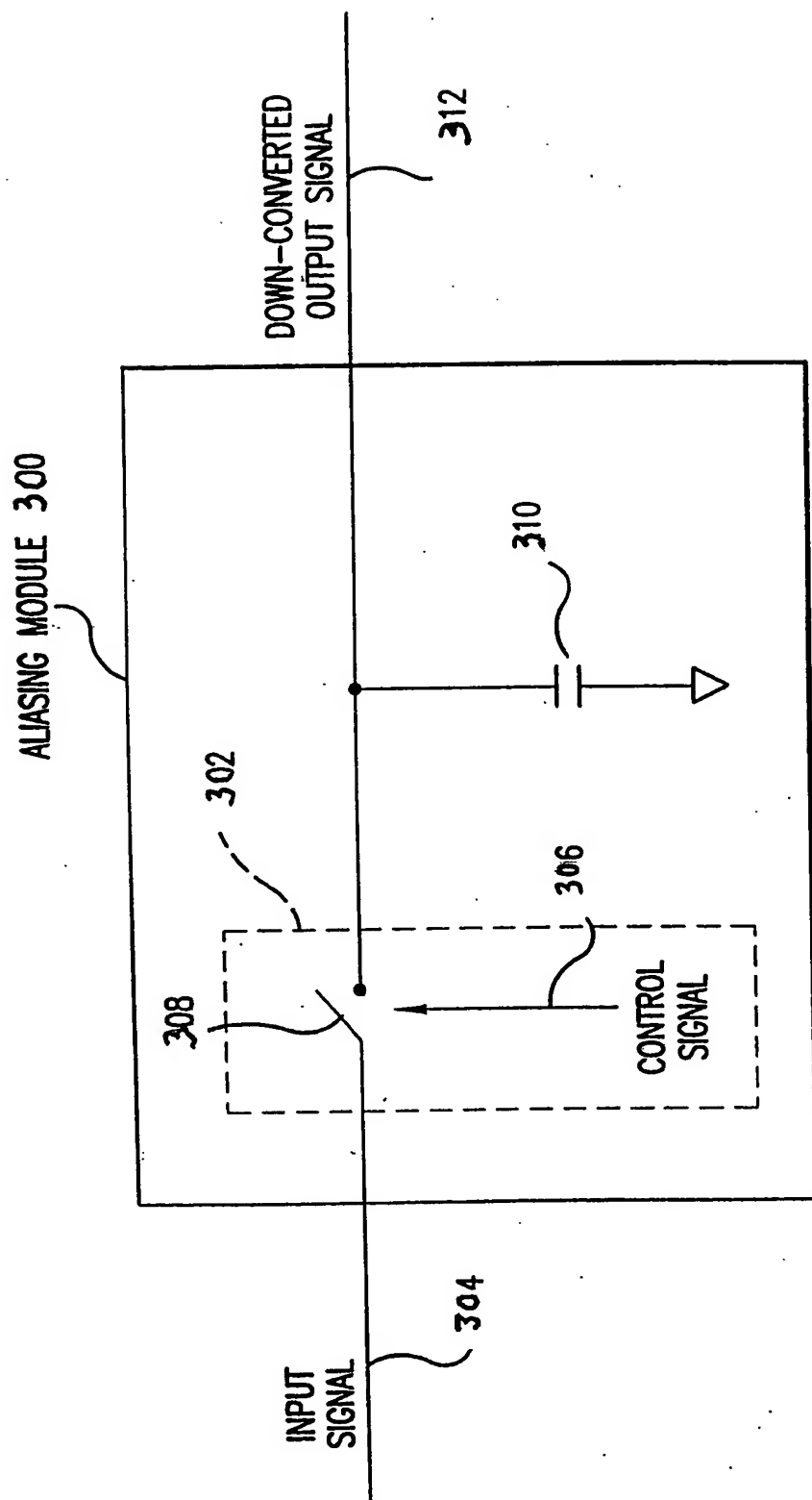


FIG. 3A

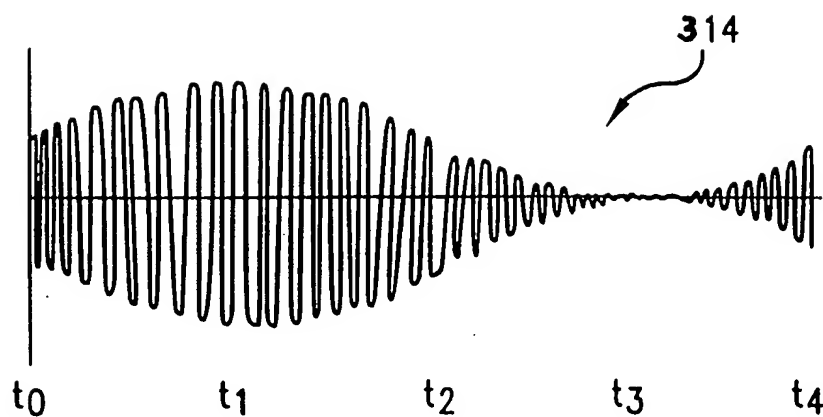


FIG. 3B

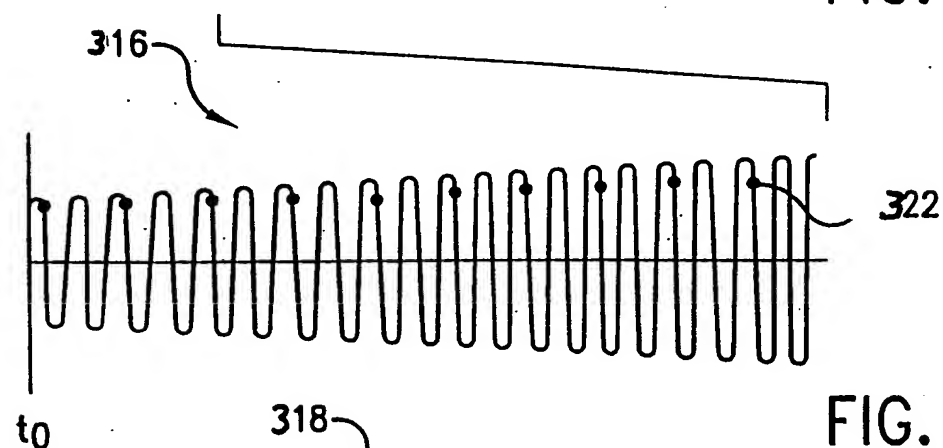


FIG. 3C

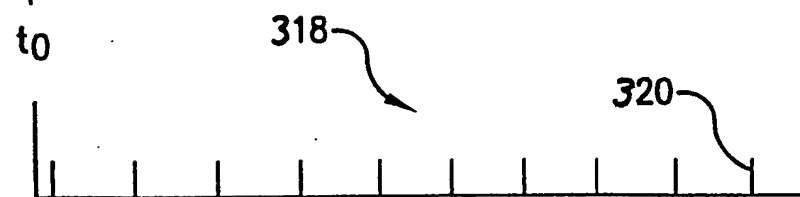


FIG. 3D

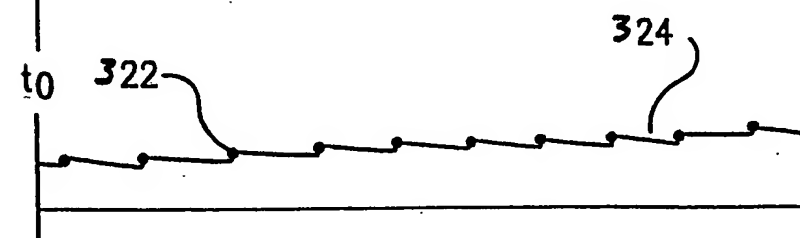


FIG. 3E

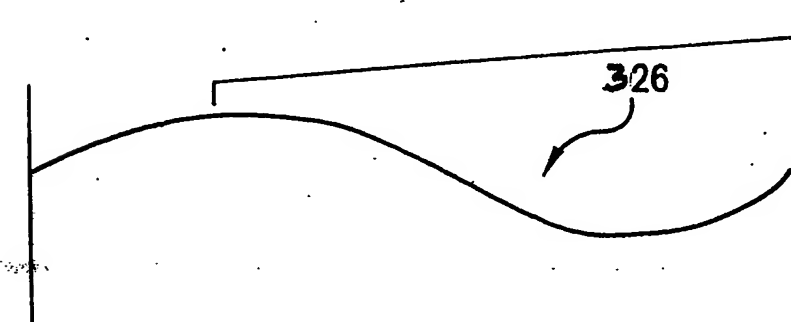


FIG. 3F

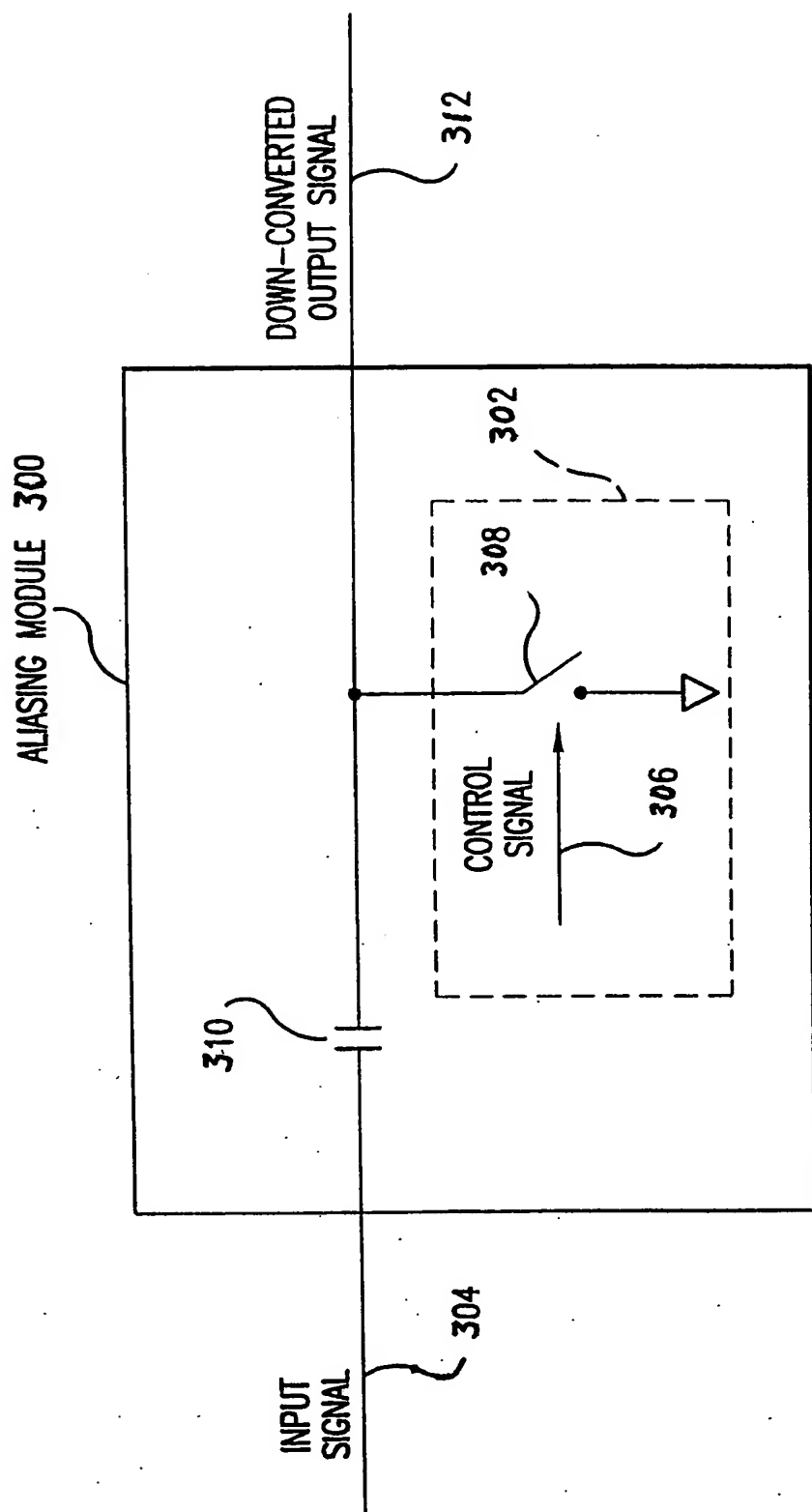


FIG. 3G

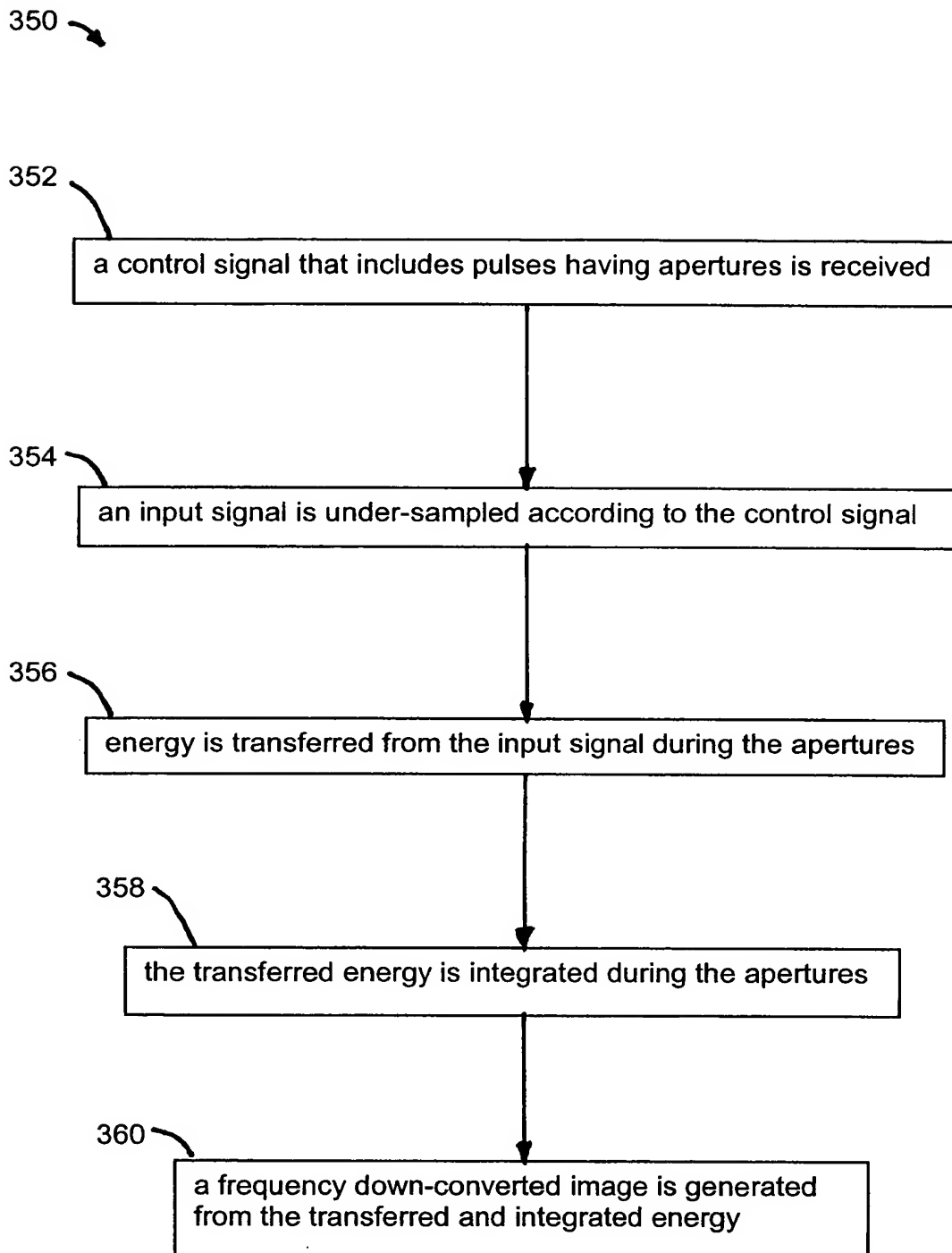


FIG. 3H

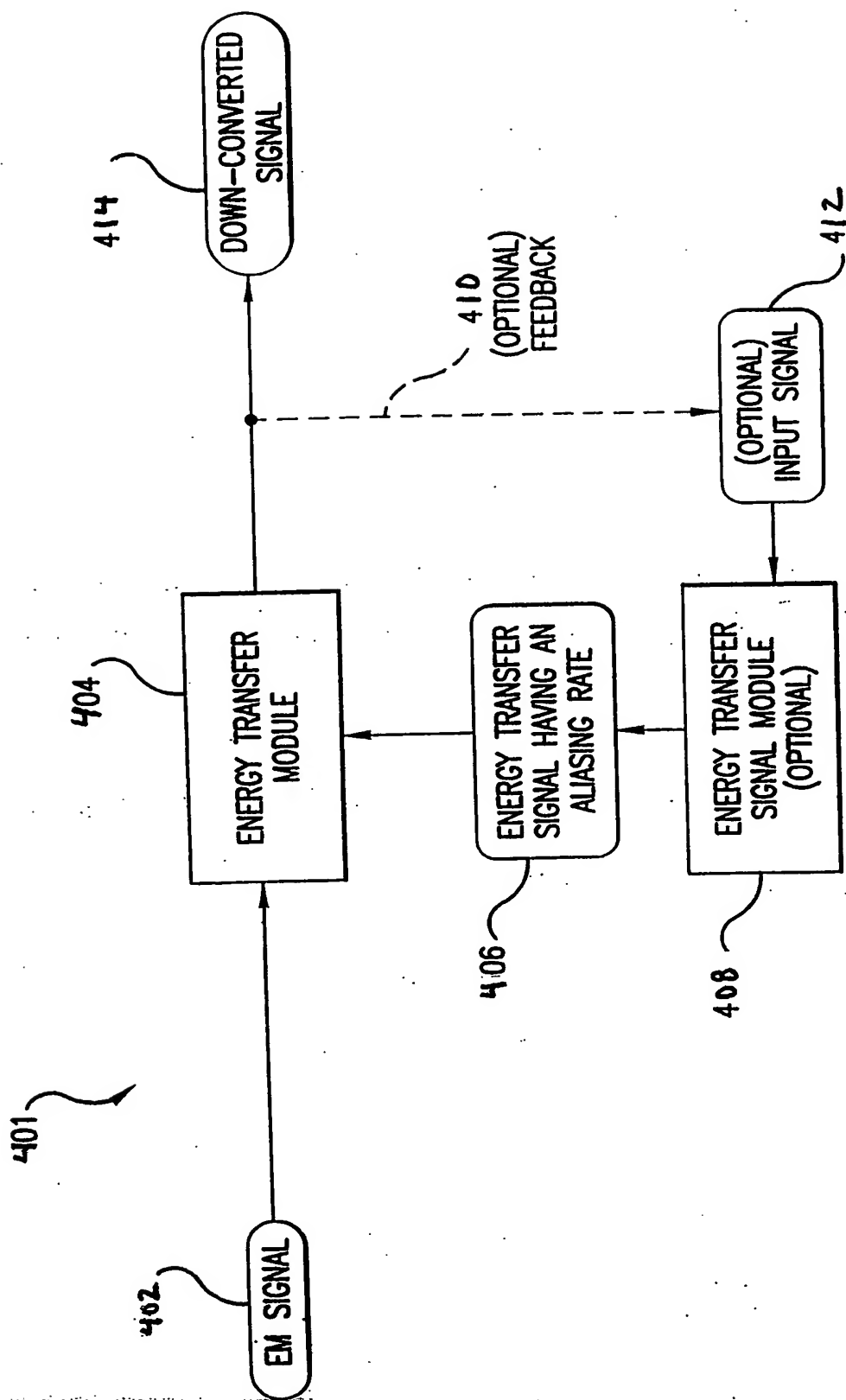


FIG. 4

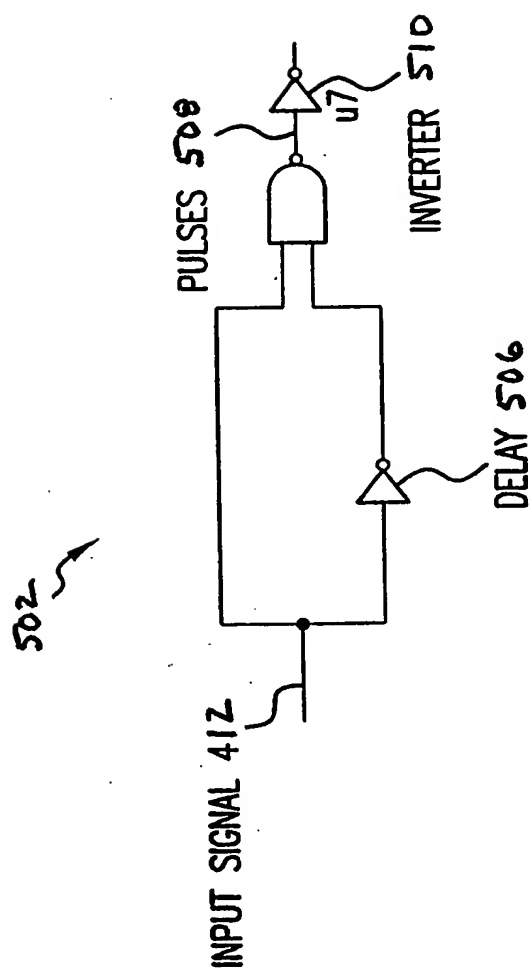


FIG. 5

502 ↘

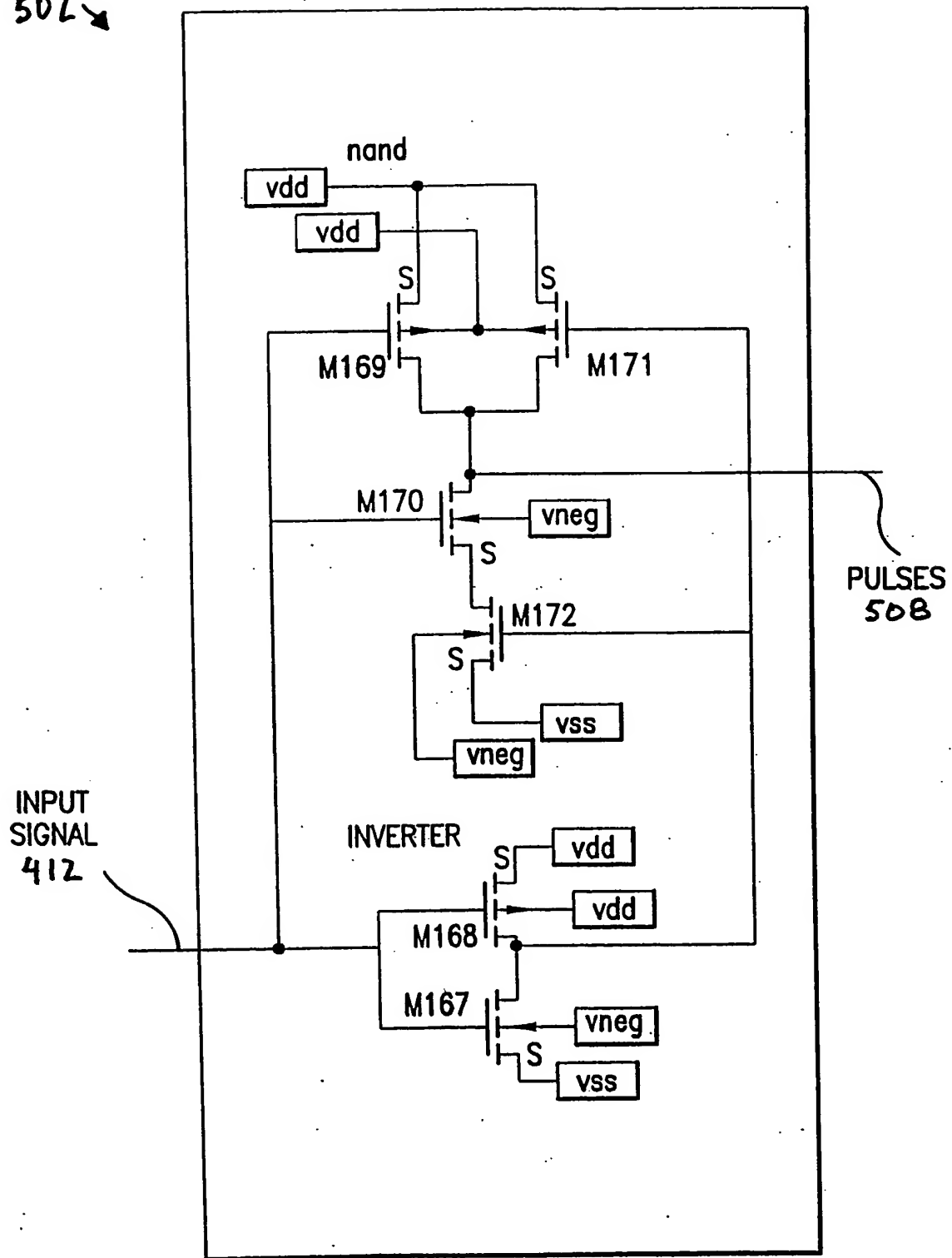


FIG. 6A

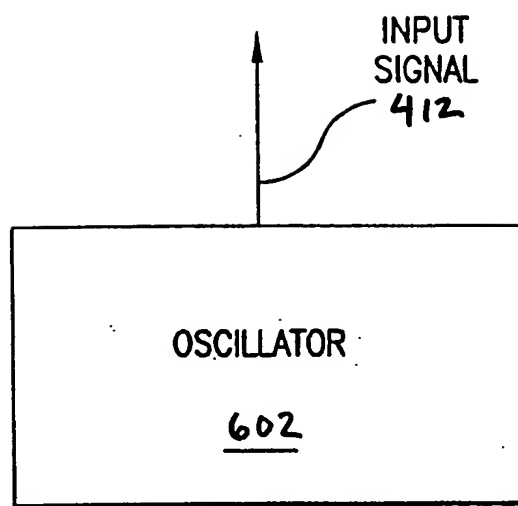


FIG. 6 B

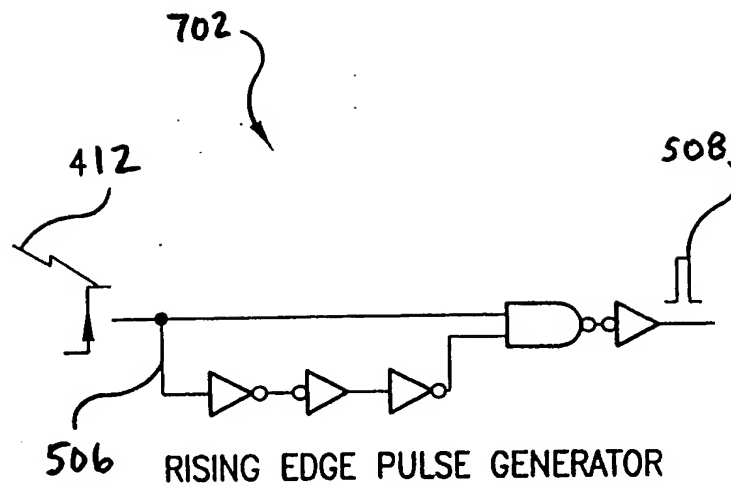


FIG. 7A

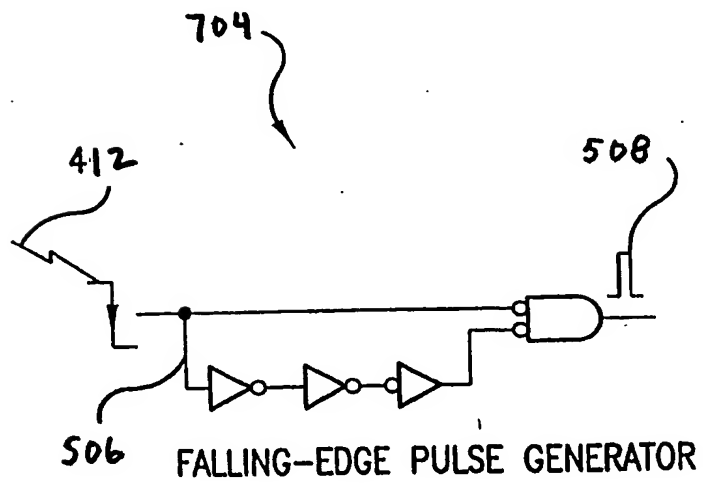


FIG. 7B

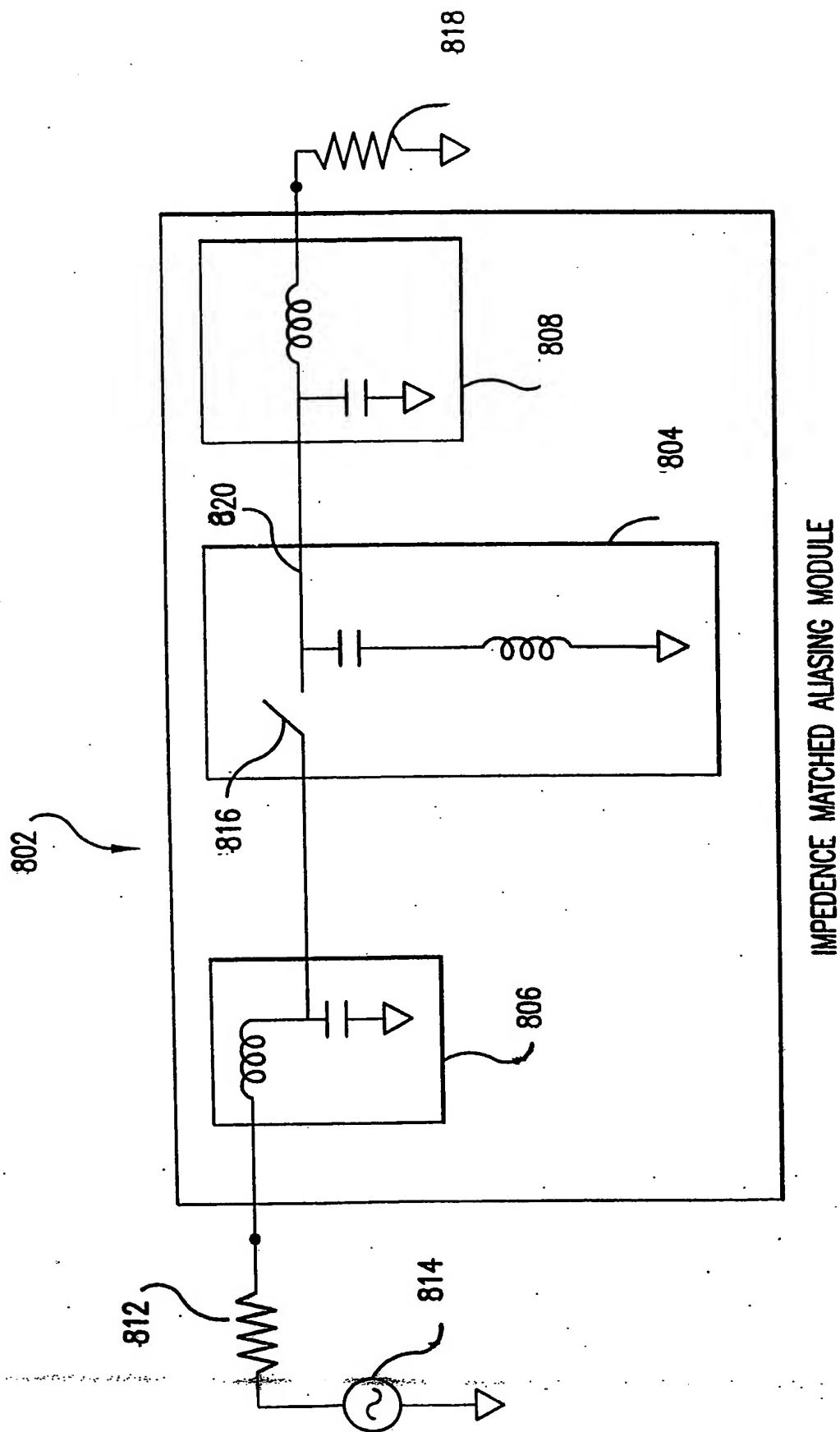
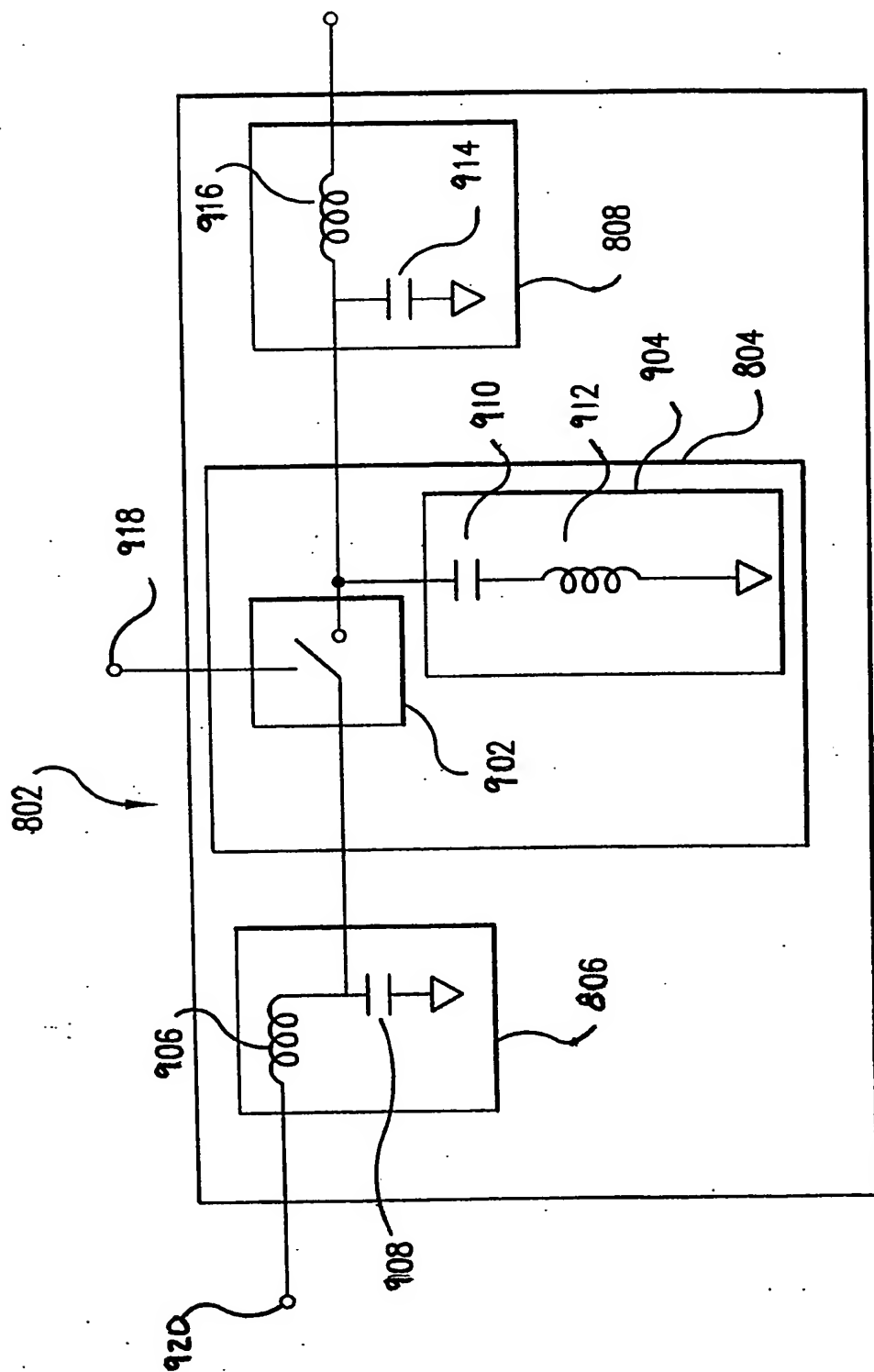


FIG. 8



ALIASING MODULE

FIG. 9

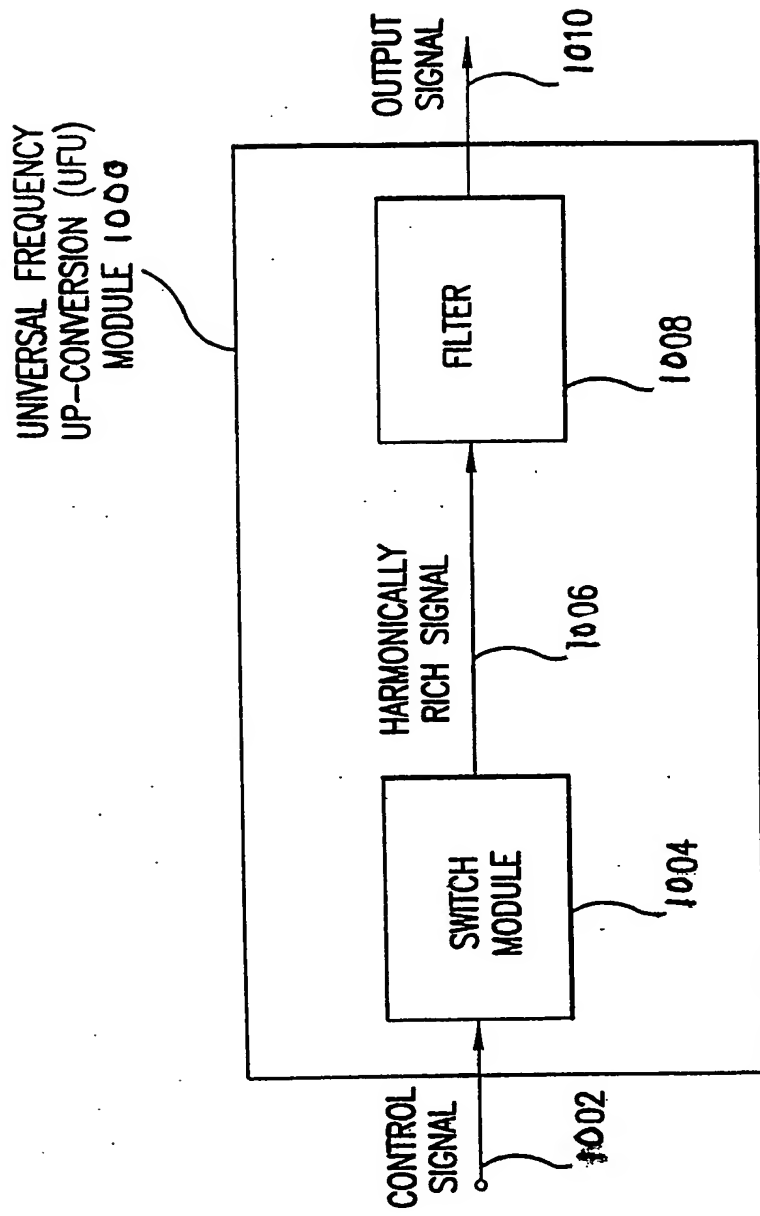


FIG. 10

UNIVERSAL FREQUENCY
UP-CONVERSION (UFU)
MODULE 1101

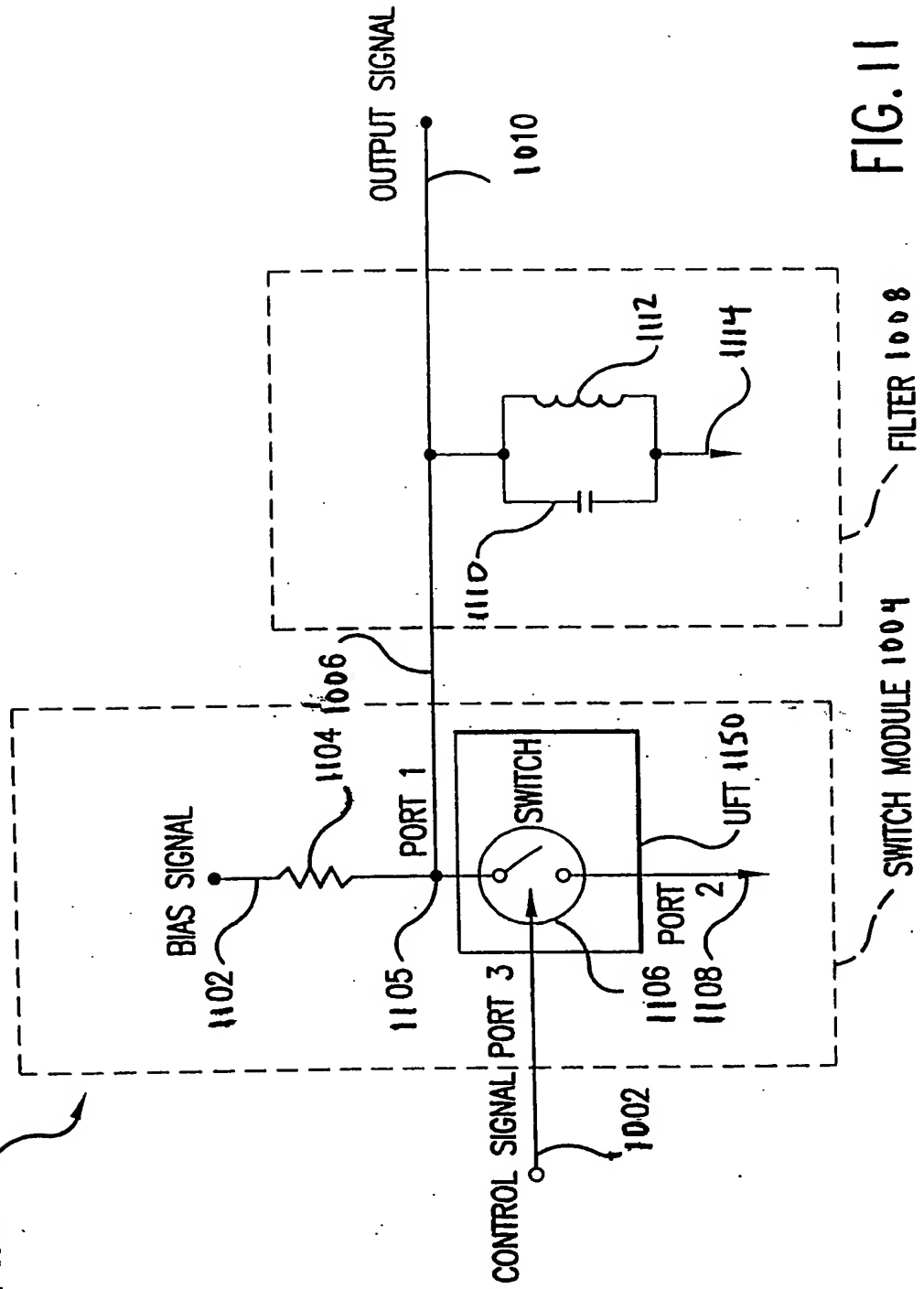


FIG. 11

UNIVERSAL FREQUENCY
UP-CONVERSION
(UFU) MODULE 1290

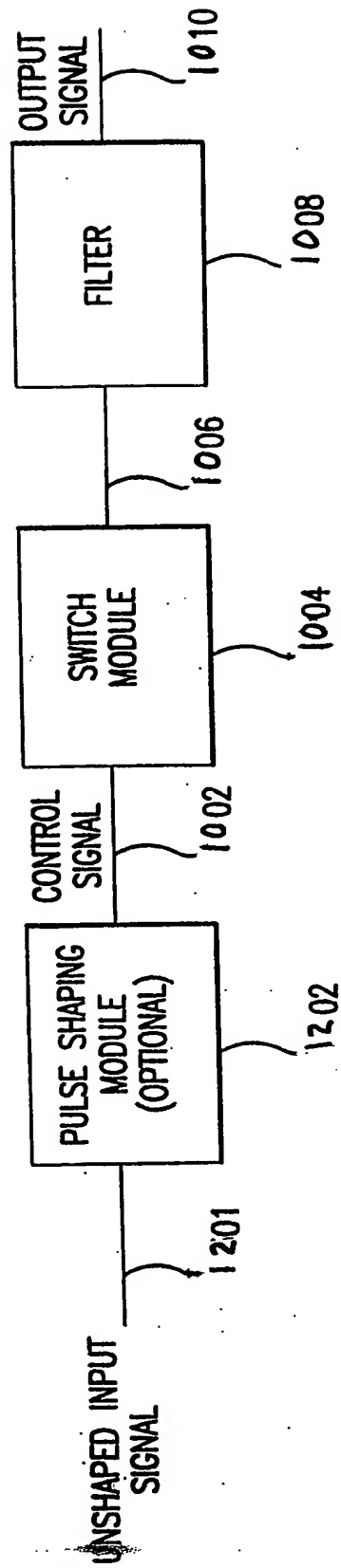
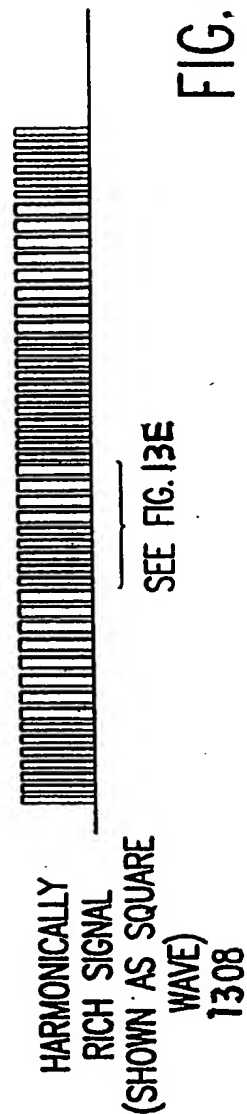
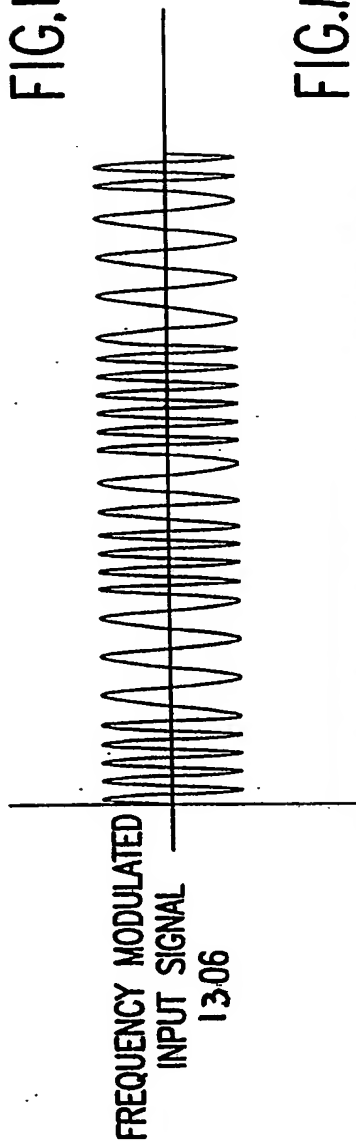
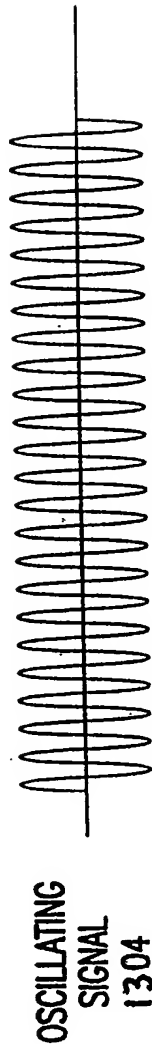
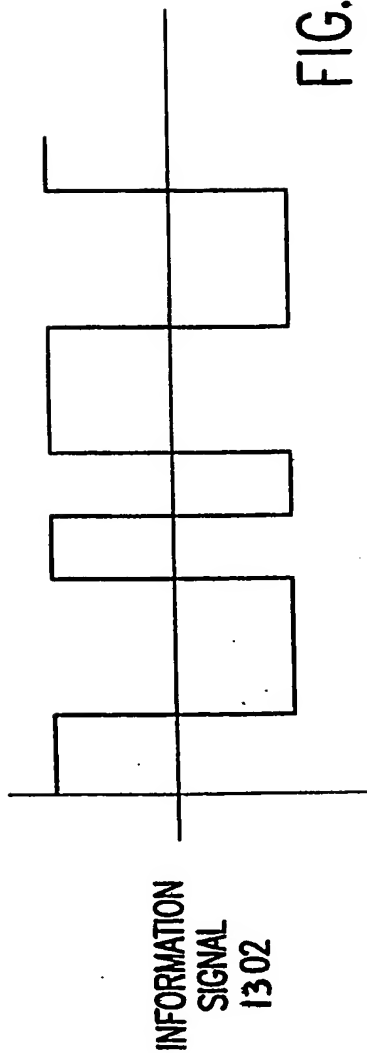
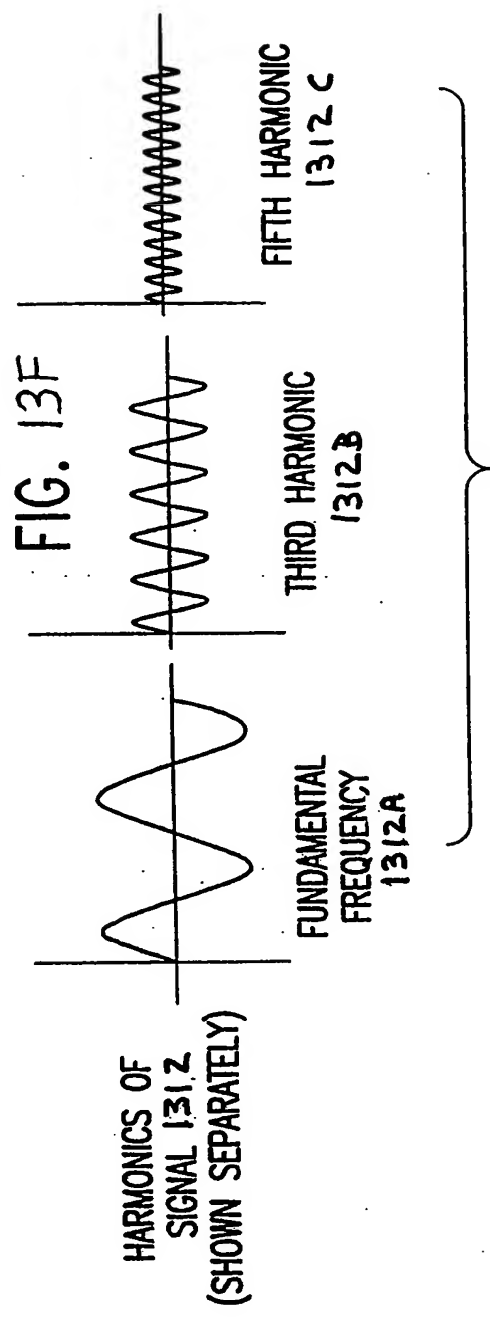
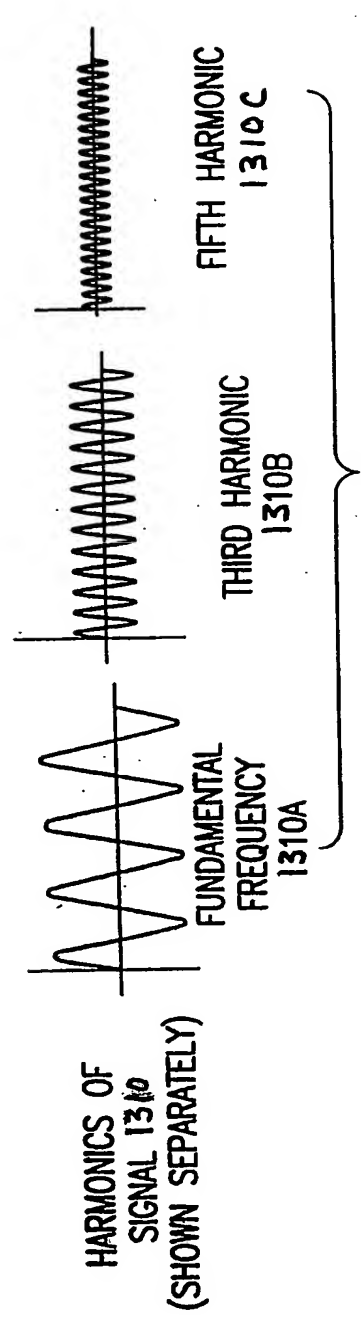
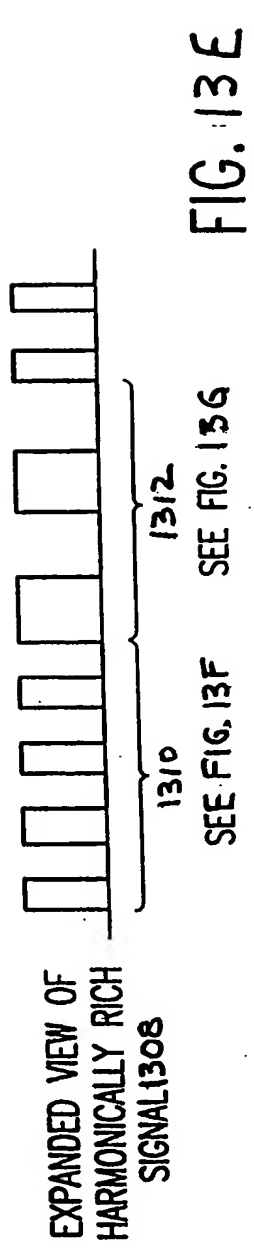


FIG. 12





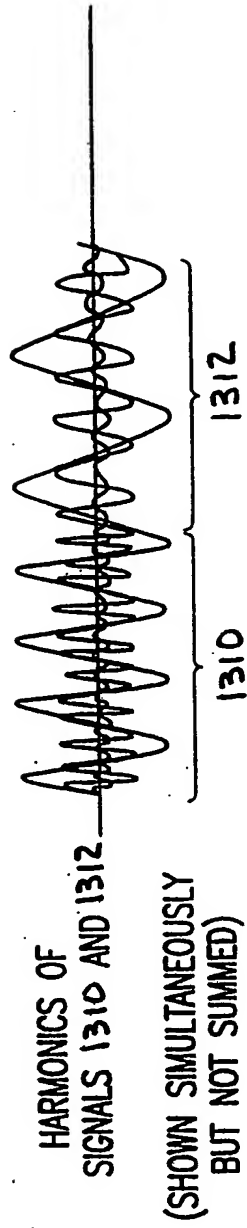


FIG. 13H

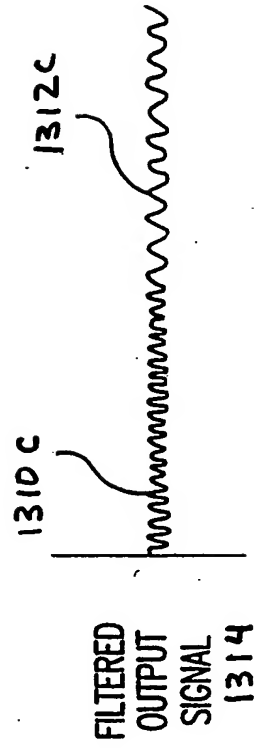


FIG. 13I

UNIFIED DOWNCONVERTING AND
FILTERING (UDF) MODULE 1402

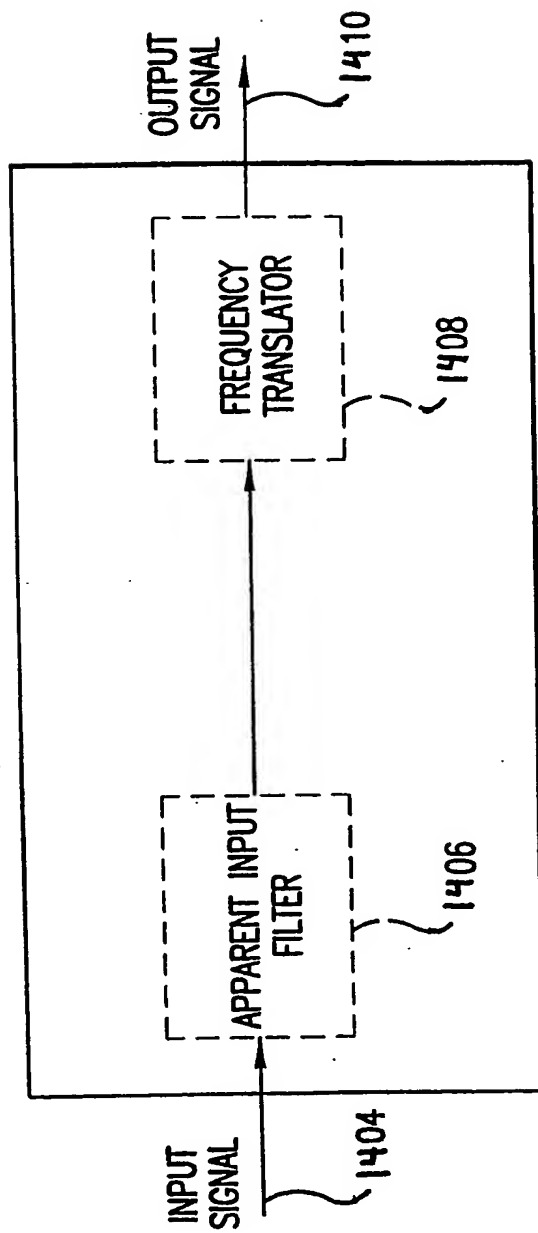


FIG. 14

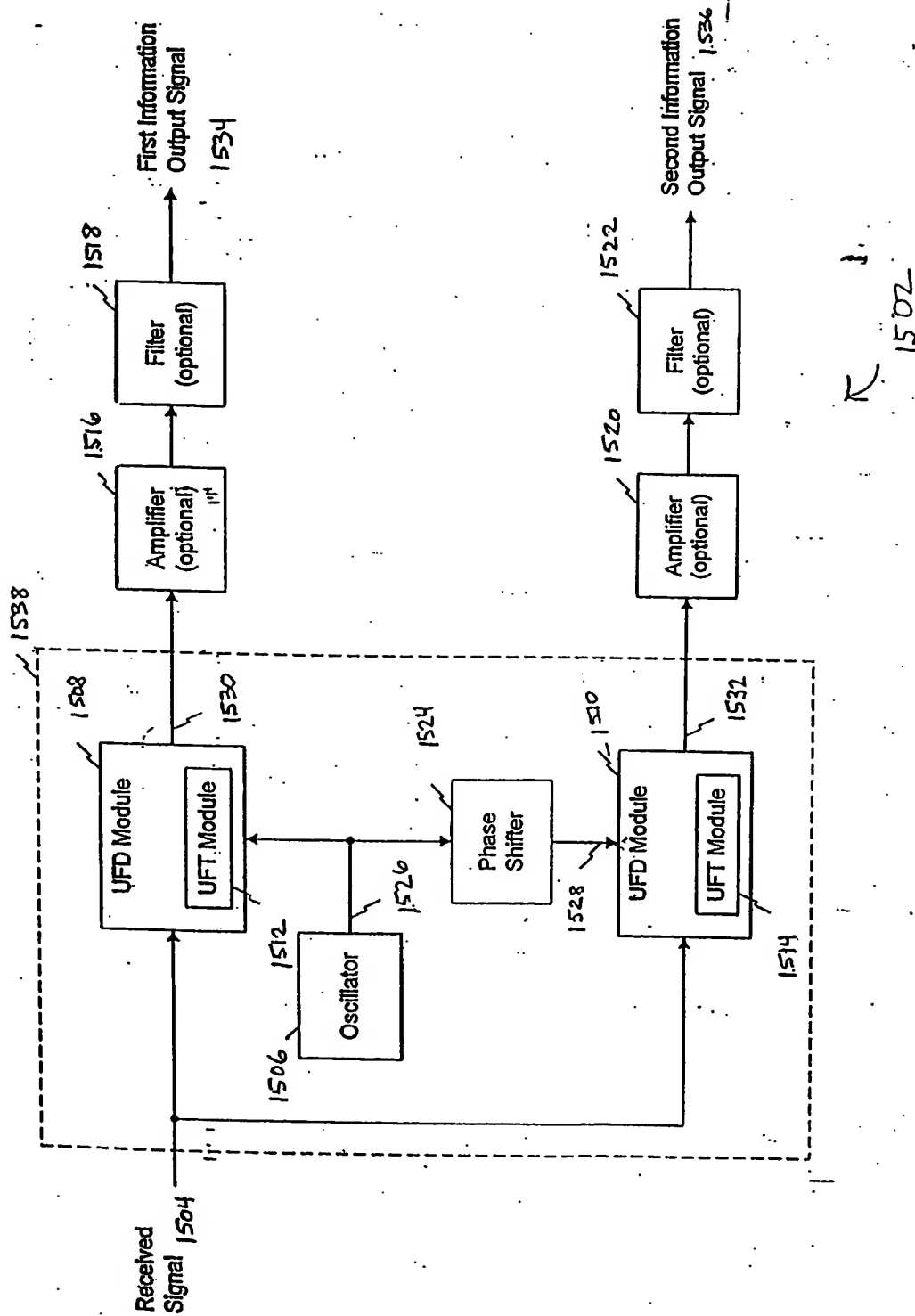


FIG. 15

1602

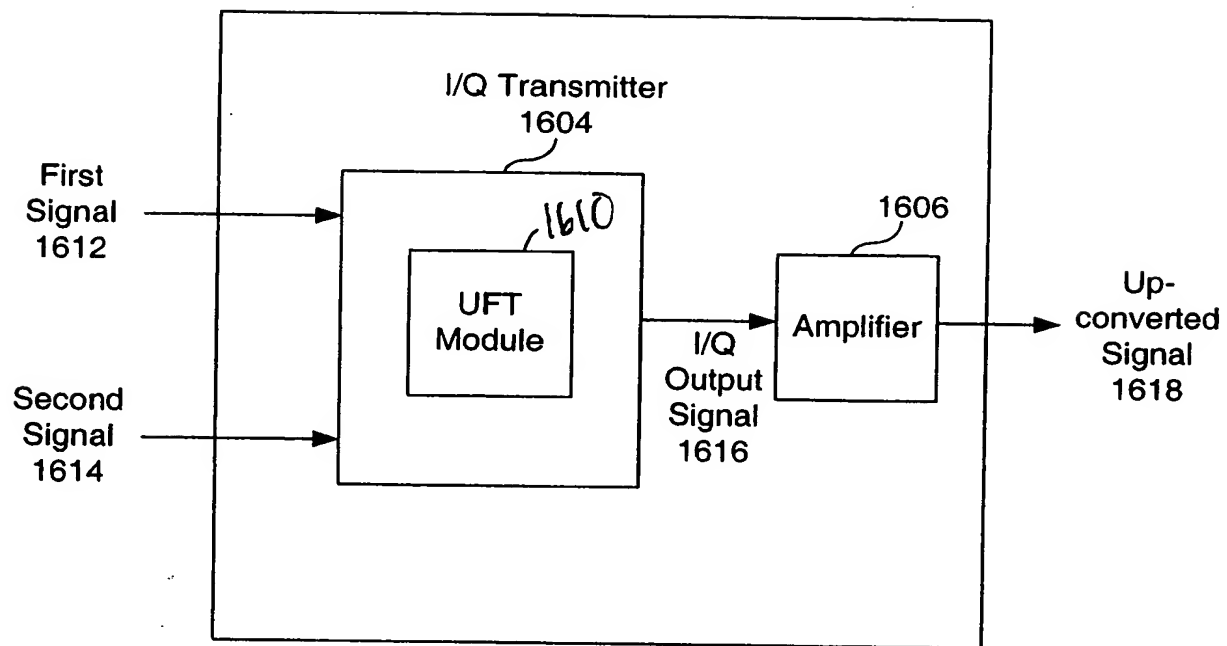


FIG. 16

1604

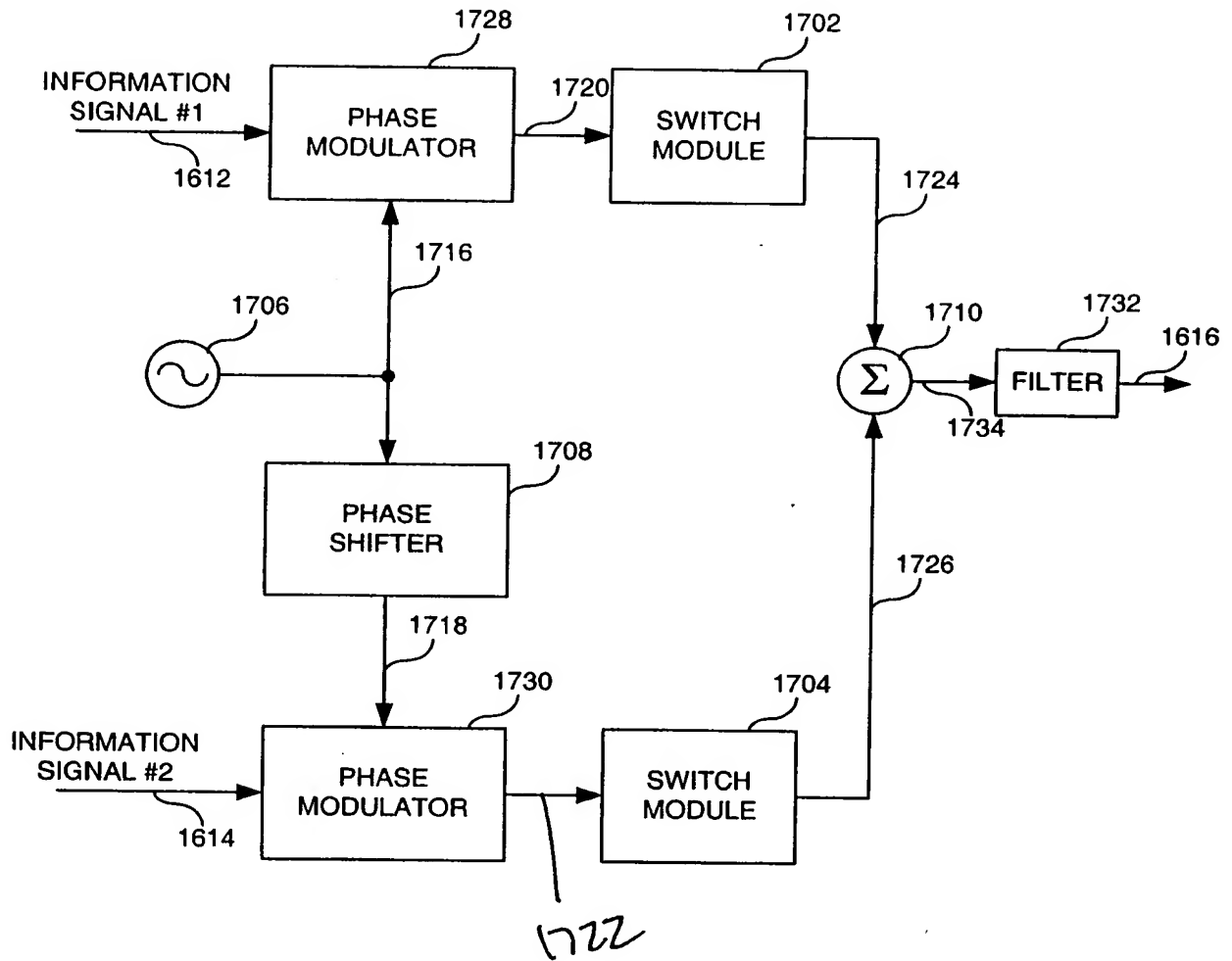


FIG. 17

1800

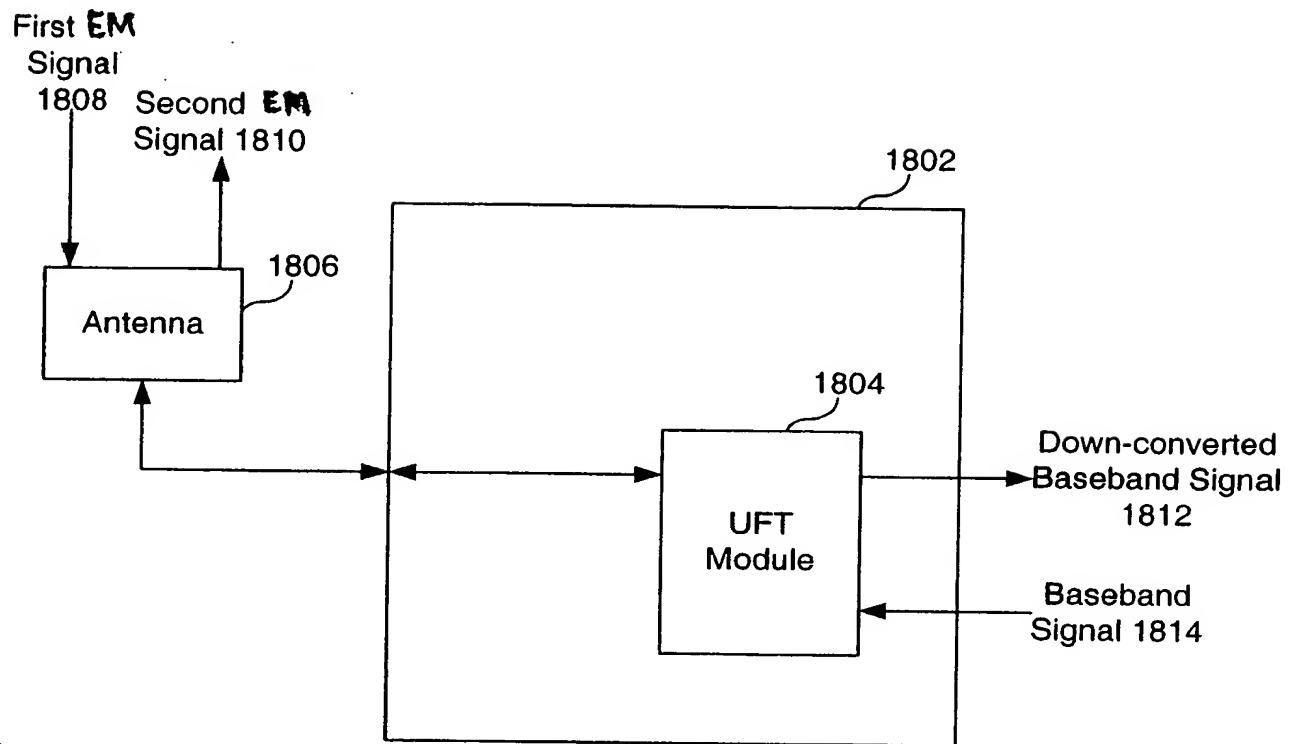


FIG. 18

1902

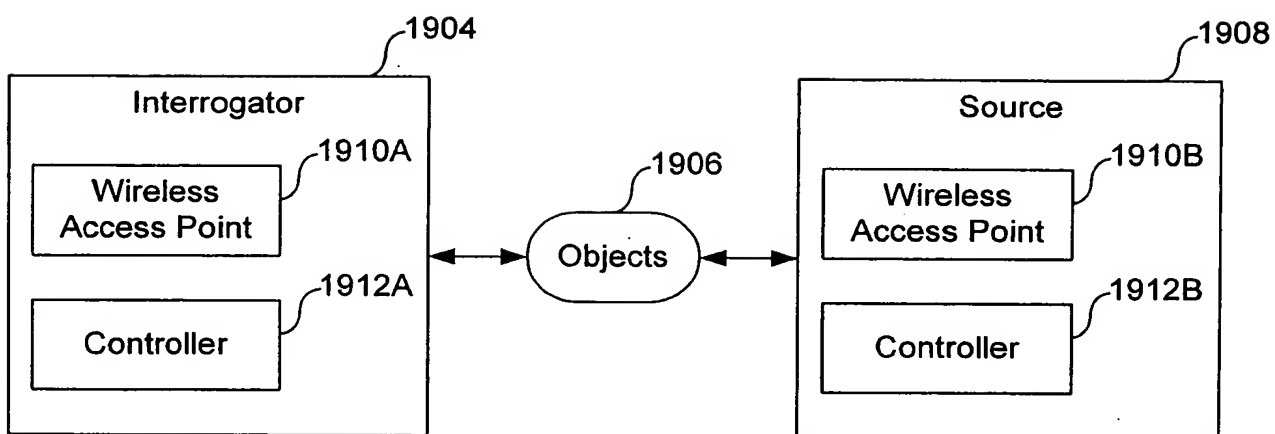


FIG. 19

2002

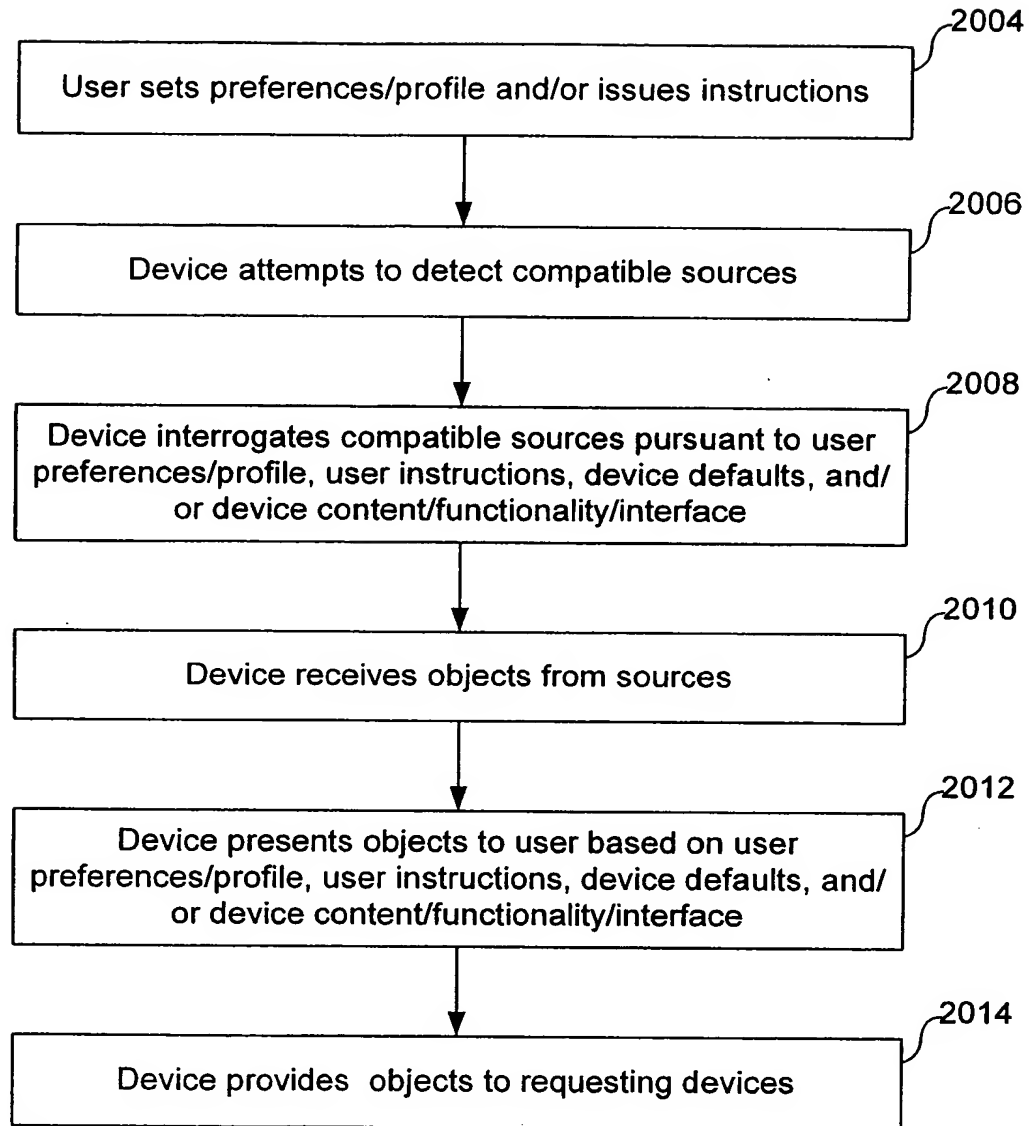
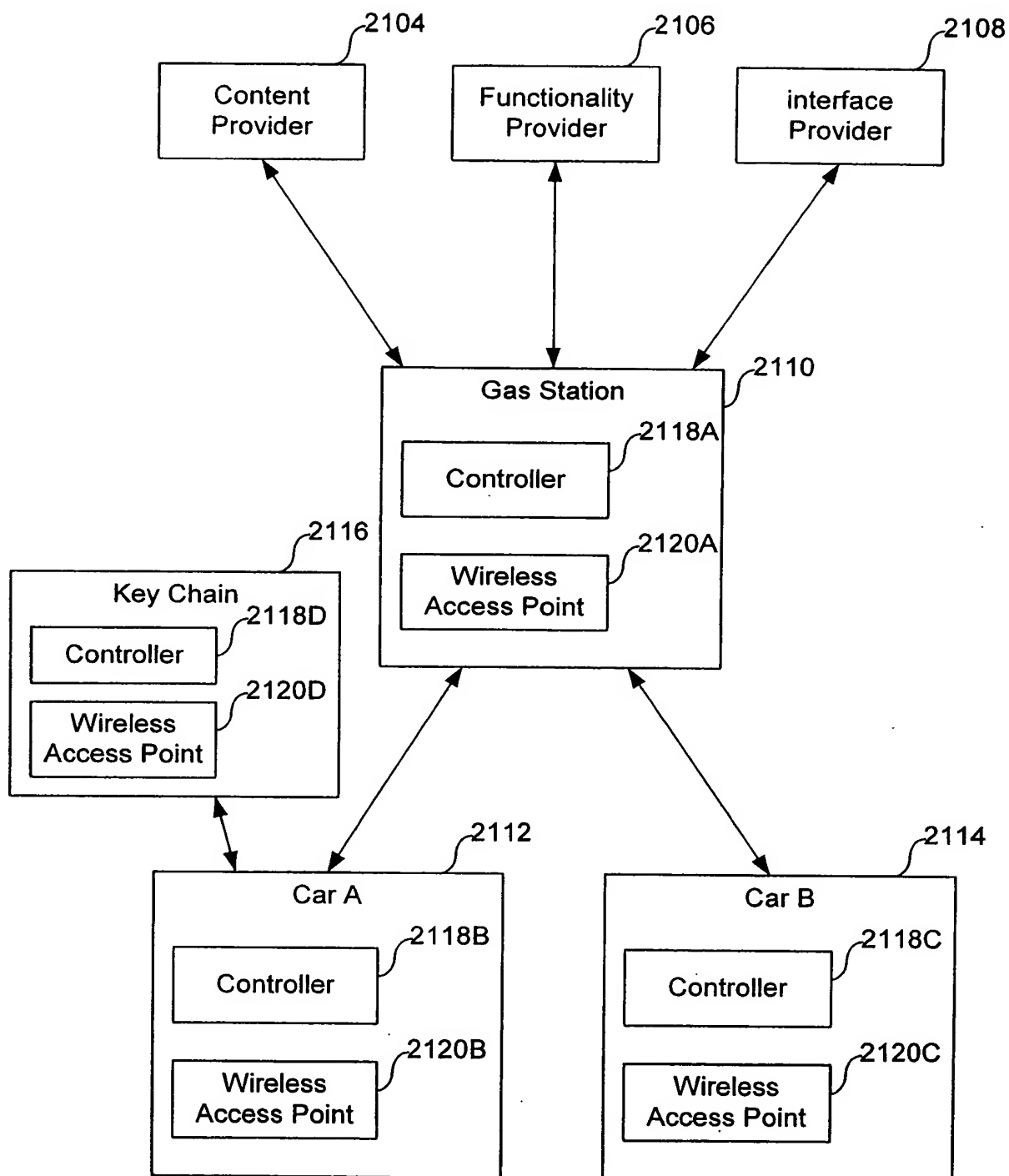


FIG. 20

**FIG. 21**

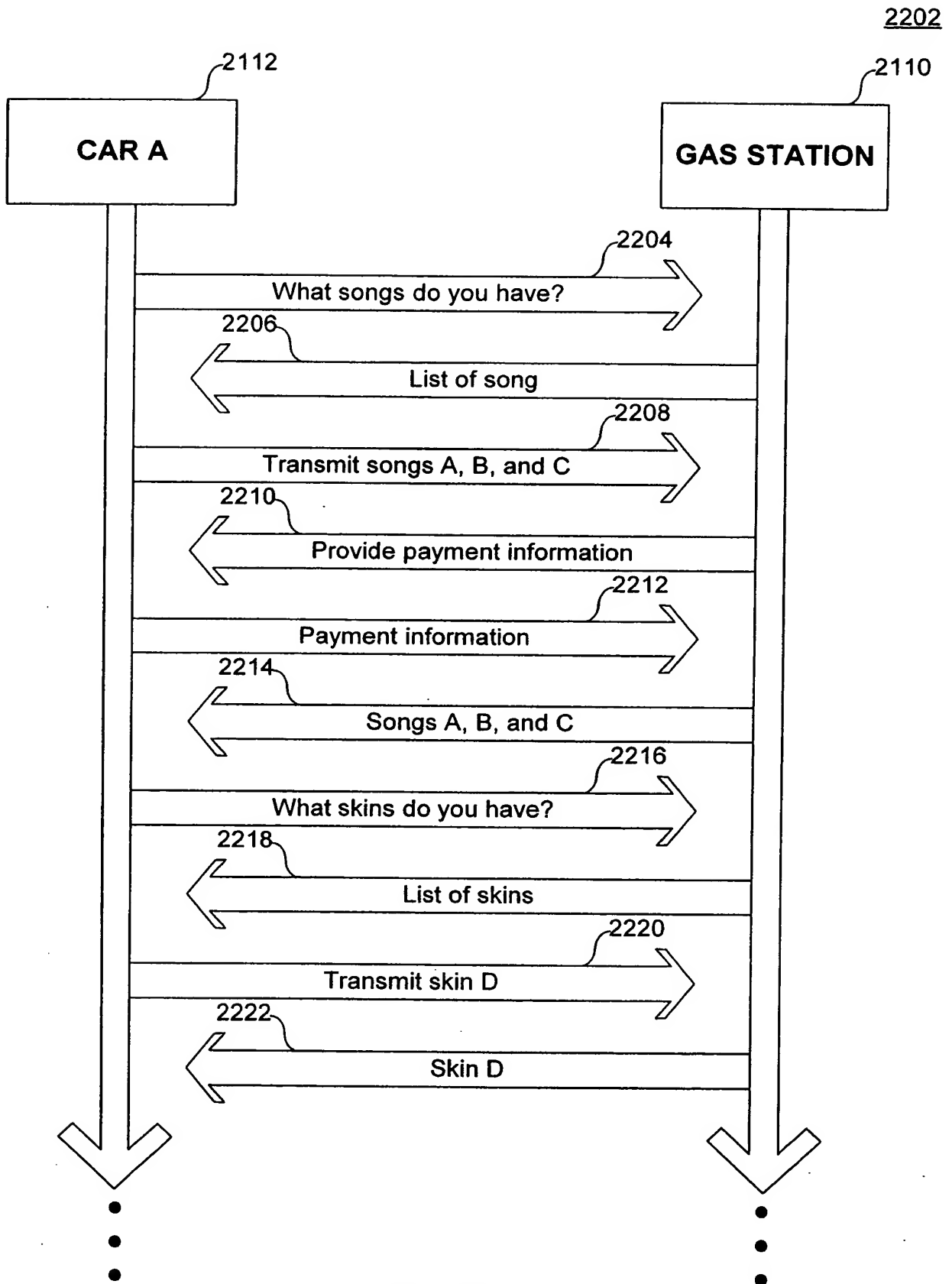


FIG. 22

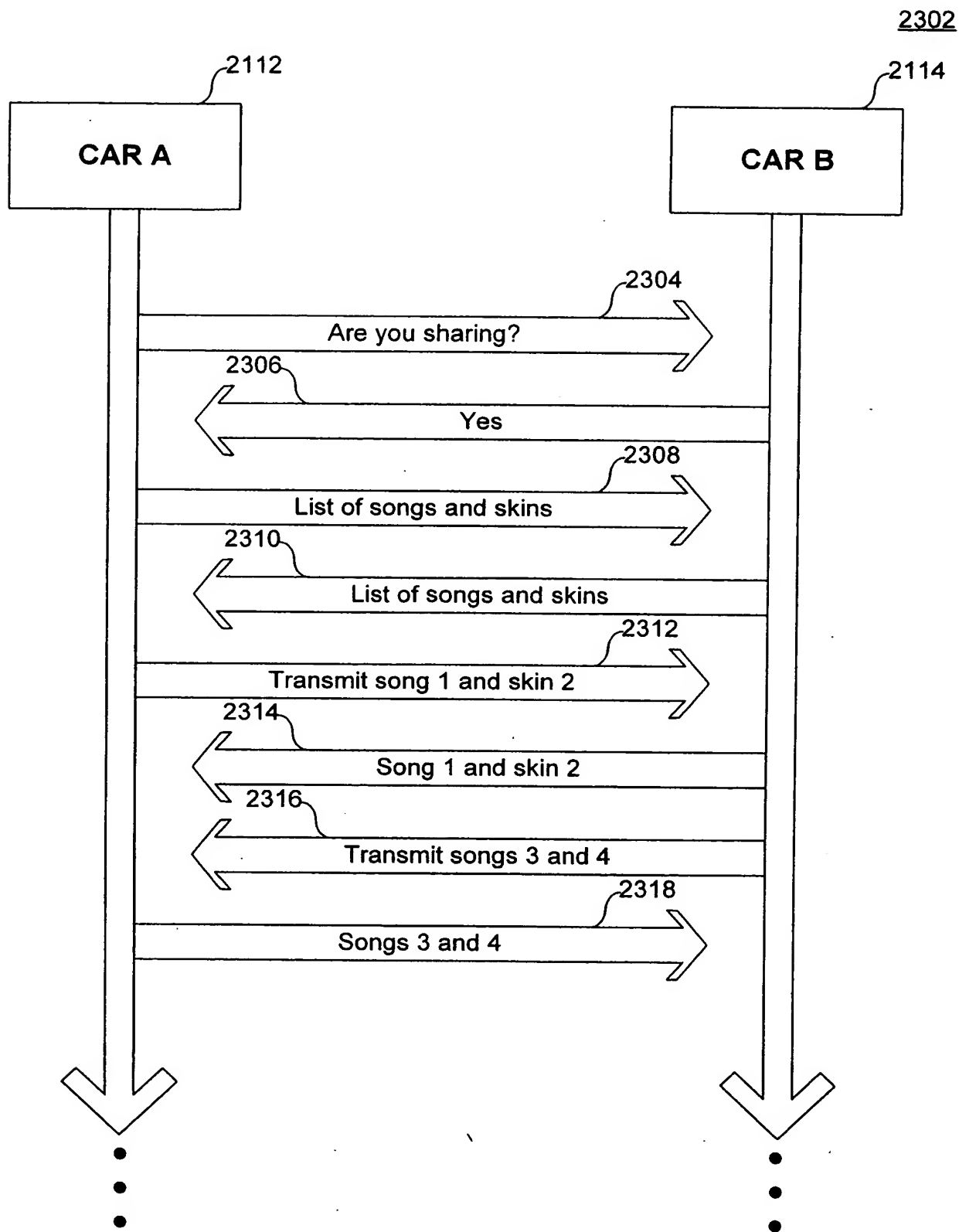
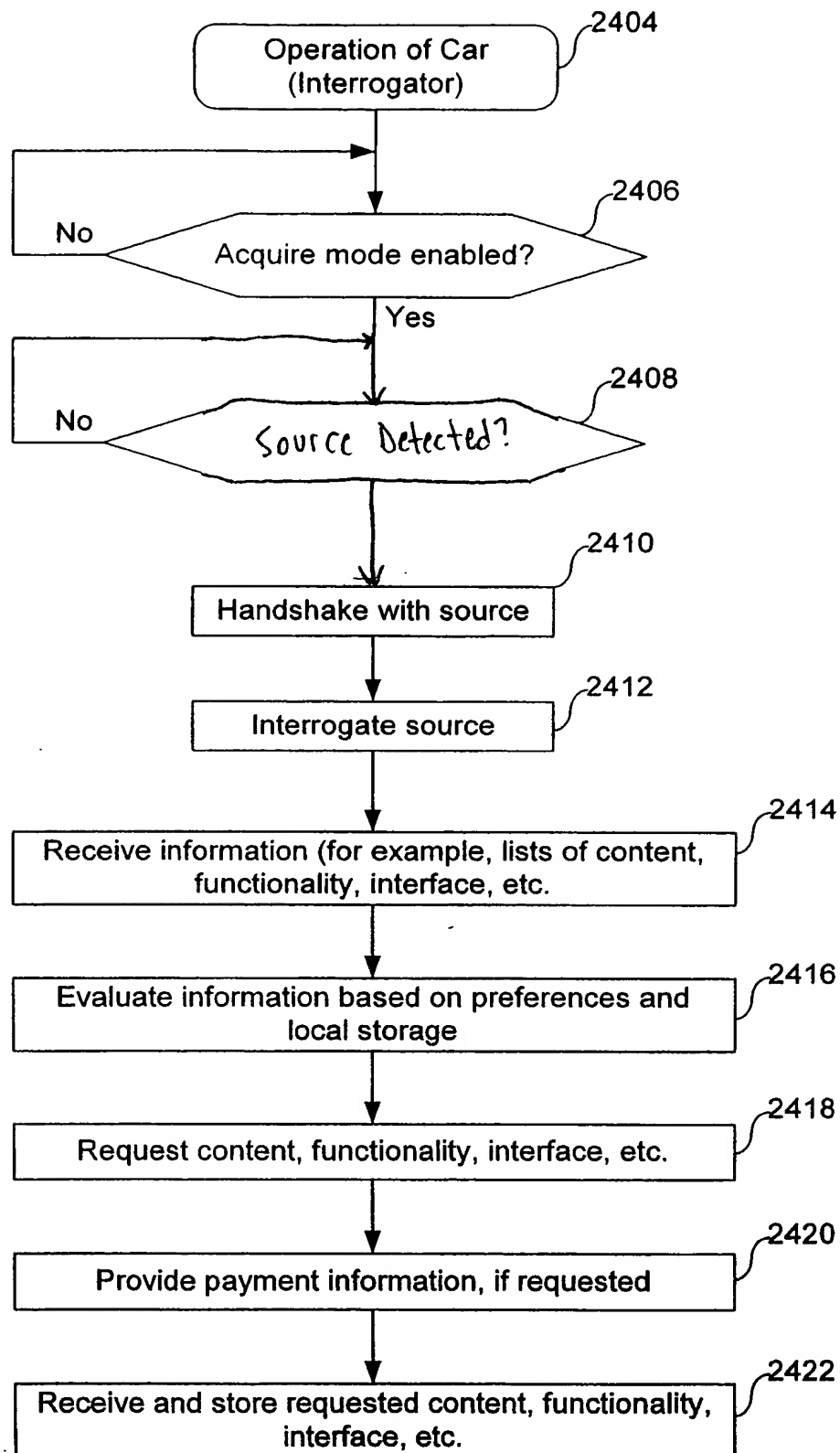


FIG. 23

**FIG. 24**

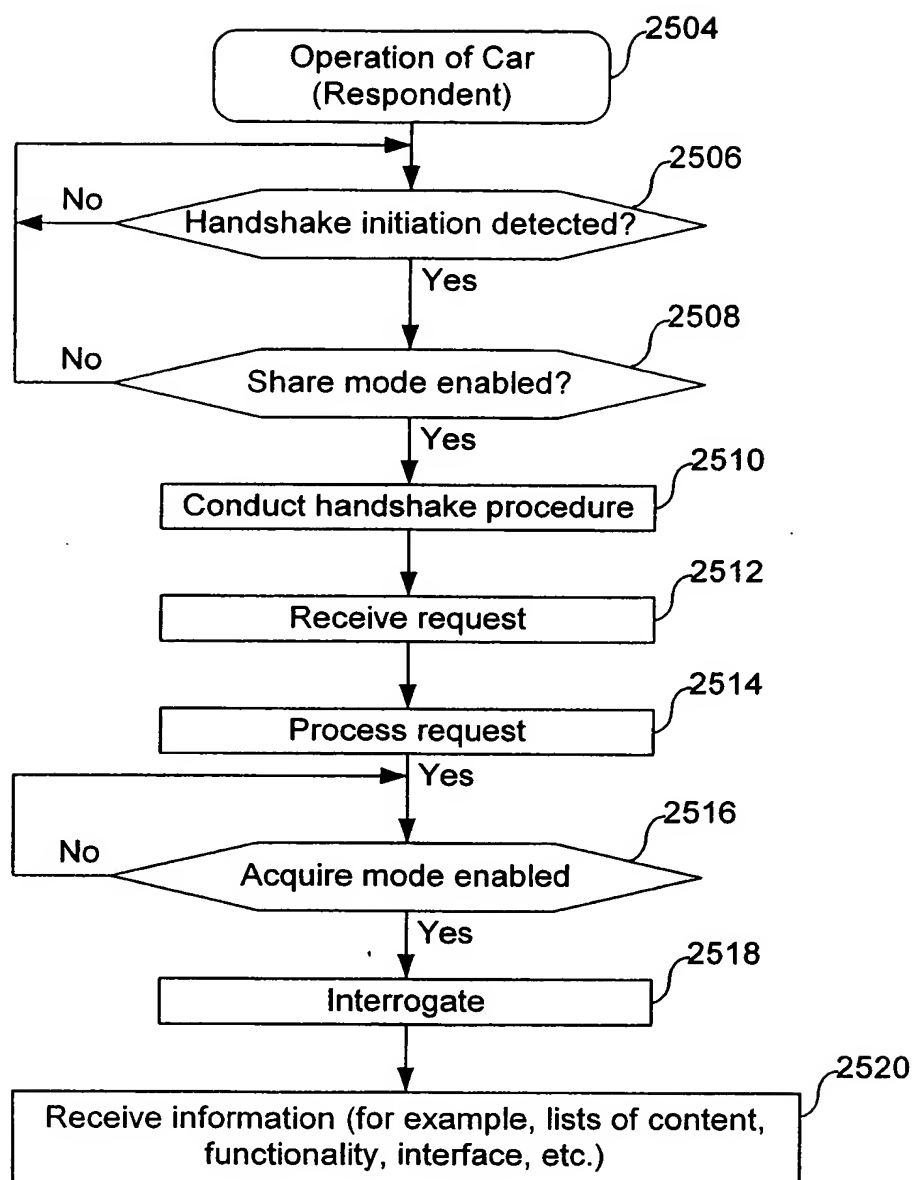


FIG. 25

2602

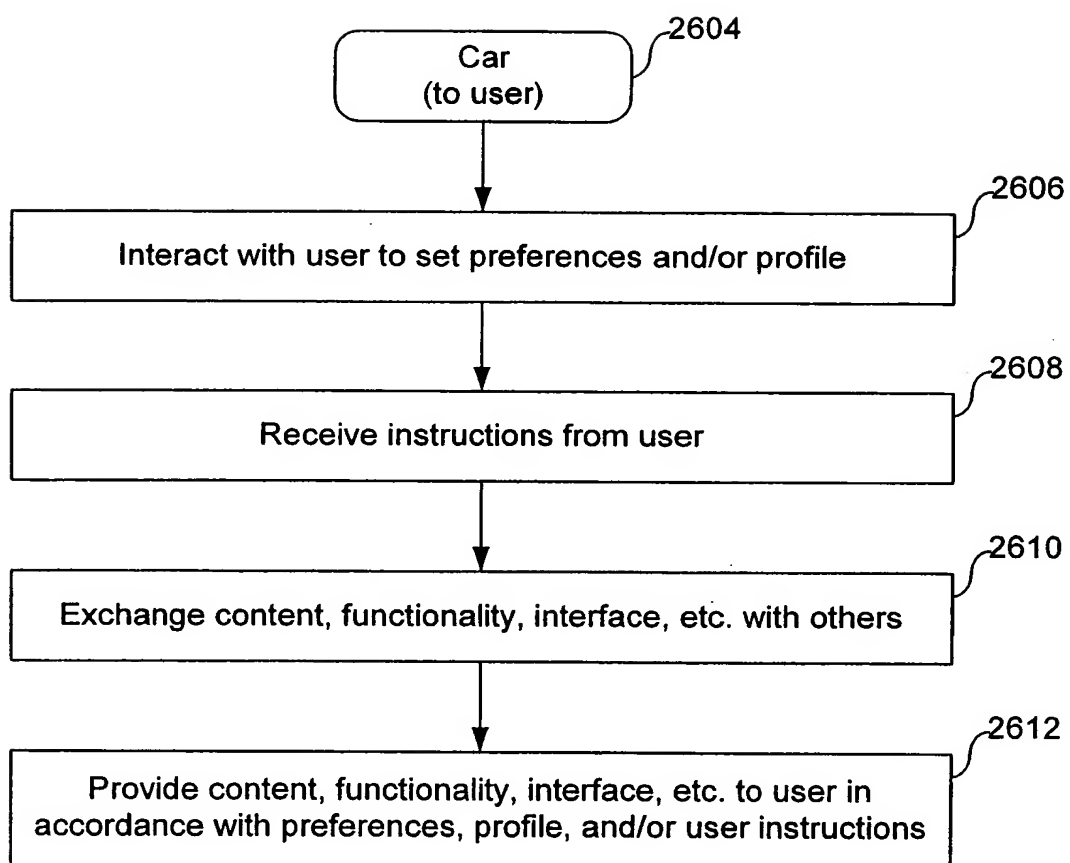


FIG. 26